

Docket No. 22-0157

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Raymond M. Nuber et al.

Serial No.: 09/991,461

Filed: November 20, 2001

For: FORWARD AND RETURN
DIRECTION PAYLOAD ARCHI-
TECTURE USING EQUIVALENT
AND SHARED COMPONENTS
AND SUBASSEMBLIES

Examiner: Philip Sobutka

Group Art Unit: 2684

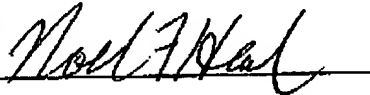
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Noel F. Heal

Signature



AMENDMENT

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Alexandria, VA 22313-1450

Sir:

In response to the Office action mailed August 6, 2004, please enter and
consider the following amendments and remarks.

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PTO/SB/21 (09-04)

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TRANSMITTAL FORM

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Total Number of Pages in This Submission

15

Application Number

09/991,461

Filing Date

Nov. 20, 2001

First Named Inventor

Raymond M. Nuber

Art Unit

2684

Examiner Name

Philip Sobutka

Attorney Docket Number

22-0167

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)
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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Transmitted by facsimile to (703) 872-9306	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Northrop Grumman Space Technology		
Signature	<i>Noel F. Heal</i>		
Printed name	Noel F. Heal		
Date	Nov. 8, 2004	Reg. No.	26,074

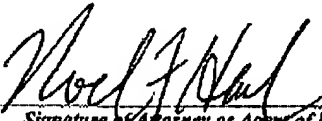
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Signature	<i>Noel F. Heal</i>		
Typed or printed name	Noel F. Heal	Date	Nov. 8, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Change Of Attorney Or Agent's Address In Application (37 CFR 1.8(a))			Docket No. 22-0157								
In Re Application Of: Raymond M. Nuber et al.											
Application No. 09/991,461	Filing Date 11/20/2001	Examiner Philip Sobutka	Group Art Unit 2684								
Invention: FORWARD AND RETURN DIRECTION PAYLOAD ARCHITECTURE USING EQUIVALENT AND SHARED COMPONENTS AND SUBASSEMBLIES											
COMMISSIONER FOR PATENTS											
<p>Please send all correspondence for this application to:</p> <p>Patent Counsel Northrop Grumman Space and Mission Systems Corp. One Space Park, E1-2041 Redondo Beach, CA 90278</p> <p>Customer Number:</p> <p>Please direct all telephone calls to: Noel F. Heal, (310) 812-4910</p> <p> _____ <i>Signature of Attorney or Agent of Record</i></p> <p>Noel F. Heal, Reg. No. 26,074 Northrop Grumman Space Technology One Space Park, E1-2041 Redondo Beach, CA 90278</p> <p><i>Registration Number & Address of Attorney or Agent of Record</i></p>											
<p>Dated: November 8, 2004</p> <p>RECEIVED CENTRAL FAX CENTER NOV 08 2004</p> <table border="1"><tr><td colspan="2">I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" (37 CFR 1.8(a)) on</td></tr><tr><td>(Date)</td><td></td></tr><tr><td colspan="2">Signature of Person Mailing Correspondence</td></tr><tr><td colspan="2">Typed or Printed Name of Person Mailing Correspondence</td></tr></table>				I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" (37 CFR 1.8(a)) on		(Date)		Signature of Person Mailing Correspondence		Typed or Printed Name of Person Mailing Correspondence	
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AMENDMENT TRANSMITTAL LETTER (Large Entity)				Docket No. 22-0157	
Applicant(s): Raymond M. Nuber et al.					
Application No. 09/991,461	Filing Date 11/20/2001	Examiner Philip Sobutka	Customer No.	Group Art Unit 2684	Confirmation No. 3775
Invention: FORWARD AND RETURN DIRECTION PAYLOAD ARCHITECTURE USING EQUIVALENT AND SHARED COMPONENTS AND SUBASSEMBLIES					
COMMISSIONER FOR PATENTS:					
Transmitted herewith is an amendment in the above-identified application. The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	21 -	30 =	0 x	\$18.00	\$0.00
INDEP. CLAIMS	2 -	3 =	0 x	\$88.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<div style="display: flex; flex-direction: row;"><div style="flex: 1;"><p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p><p><input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____</p><p><input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.</p><p><input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account: 14-1325</p><p><input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16.</p><p><input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.</p><p><input type="checkbox"/> Payment by credit card. Form PTO-2038.</p><p>WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p><div style="margin-top: 20px;"> _____ Signature</div><p>Noel F. Heal, Reg. No. 26,074 Northrop Grumman Space Technology One Space Park, E1-2041 Redondo Beach, CA 90278</p><p>Phone: (310) 812-4910</p></div><div style="flex: 1; padding-left: 20px;"><p>Dated: November 8, 2004</p><div style="border: 1px solid black; padding: 5px; margin-top: 20px;"><p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450" [37 CFR 1.8(a)] on _____</p><p style="text-align: center;">(Date)</p><p style="text-align: center;">_____ Signature of Person Mailing Correspondence</p><p style="text-align: center;">_____ Typed or Printed Name of Person Mailing Correspondence</p></div></div></div>					
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